What is claimed is:

1. A method comprising:

invalidating an entry of a filter coupled to a pipeline resource if an update to the entry occurs during a context; and

flushing a portion of the pipeline resource corresponding to an address space including the entry.

2. The method of claim 1, further comprising flushing the portion upon a switch from the context.

3. The method of claim 1, wherein the pipeline resource comprises a translation lookaside buffer.

4. The method of claim 1, further comprising comparing an address obtained from an external snoop to a plurality of entries in the filter to determine if the update has occurred.

5. The method of claim 1, further comprising flushing the portion of the pipeline resource via microcode.

6. A method comprising:

flushing a portion of entries of a pipeline resource if one of the portion of entries is updated during a context.

7. The method of claim 6, further comprising selectively flushing the portion of entries upon a switch from the context.

8. The method of claim 7, wherein the portion of entries comprises an address space corresponding to the context.

9. The method of claim 6, wherein the pipeline resource comprises a translation lookaside buffer.

10. The method of claim 9, further comprising invalidating entries of a filter coupled to the translation lookaside buffer corresponding to the portion of entries.

11. A method comprising:

loading an entry into a pipeline resource of a processor, the entry corresponding to a page table; and

selectively flushing the entry if the page table is updated during a context.

12. The method of claim 11, further comprising selectively flushing the entry upon a switch from the context.

13. The method of claim 11, further comprising invalidating a filter entry of a filter coupled to the pipeline resource, the filter entry corresponding to the entry.

14. A method comprising:

loading an entry into a pipeline resource of a processor, the entry corresponding to a page table; and

selectively updating the entry in the pipeline resource if the page table is updated during a context.

15. The method of claim 14, further comprising invalidating at least one filter entry of a filter associated with the pipeline resource.

16. The method of claim 14, further comprising preserving the updated entry in the pipeline resource on a context switch.

17. An apparatus comprising:

a pipeline resource having a plurality of address spaces, each of the plurality of address spaces

corresponding to one of a plurality of contexts, the plurality of address spaces selectively flushable.

18. The apparatus of claim 17, wherein the pipeline resource comprises a translation lookaside buffer.

19. The apparatus of claim 17, further comprising a filter coupled to the pipeline resource to select at least one of the plurality of address spaces to be flushed.

20. The apparatus of claim 19, wherein the filter comprises a content addressable memory.

21. A method comprising:

dynamically partitioning a filter of a pipeline resource into a plurality of partitions, each of the partitions corresponding to one of a plurality of address spaces.

22. The method of claim 21, further comprising sharing the pipeline resource among a plurality of applications, each corresponding to one of the plurality of address spaces.

23. The method of claim 22, wherein each of the plurality of partitions includes a fixed portion and wherein the filter further comprises a dynamic portion.

24. The method of claim 23, further comprising allocating at least part of the dynamic portion to one of the plurality of applications that has consumed the fixed portion of one of the plurality of partitions.

25. An article comprising a machine-readable storage medium containing instructions that if executed enable a system to:

dynamically partition a filter of a pipeline resource into a plurality of partitions, each of the partitions corresponding to one of a plurality of address spaces.

26. The article of claim 25, further comprising instructions that if executed enable the system to permit a plurality of applications, each corresponding to one of the plurality of address spaces, to share the pipeline resource.

27. The article of claim 26, further comprising instructions that if executed enable the system to allocate at least part of a dynamic portion of the filter to one of

the plurality of applications that has consumed one of the plurality of partitions.

28. A system comprising:

a first processor having a pipeline resource having a plurality of address spaces, each of the plurality of address spaces corresponding to one of a plurality of contexts, the plurality of address spaces selectively flushable; and

a dynamic random access memory coupled to the first processor.

29. The system of claim 28, further comprising a second processor coupled to the first processor.

30. The system of claim 29, further comprising a filter coupled to the pipeline resource to snoop address information from the second processor.